

MARYLAND DEPARTMENT OF HEALTH

HIV Epidemiology by Age

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Prevention and Health Promotion Administration

MISSION AND VISION

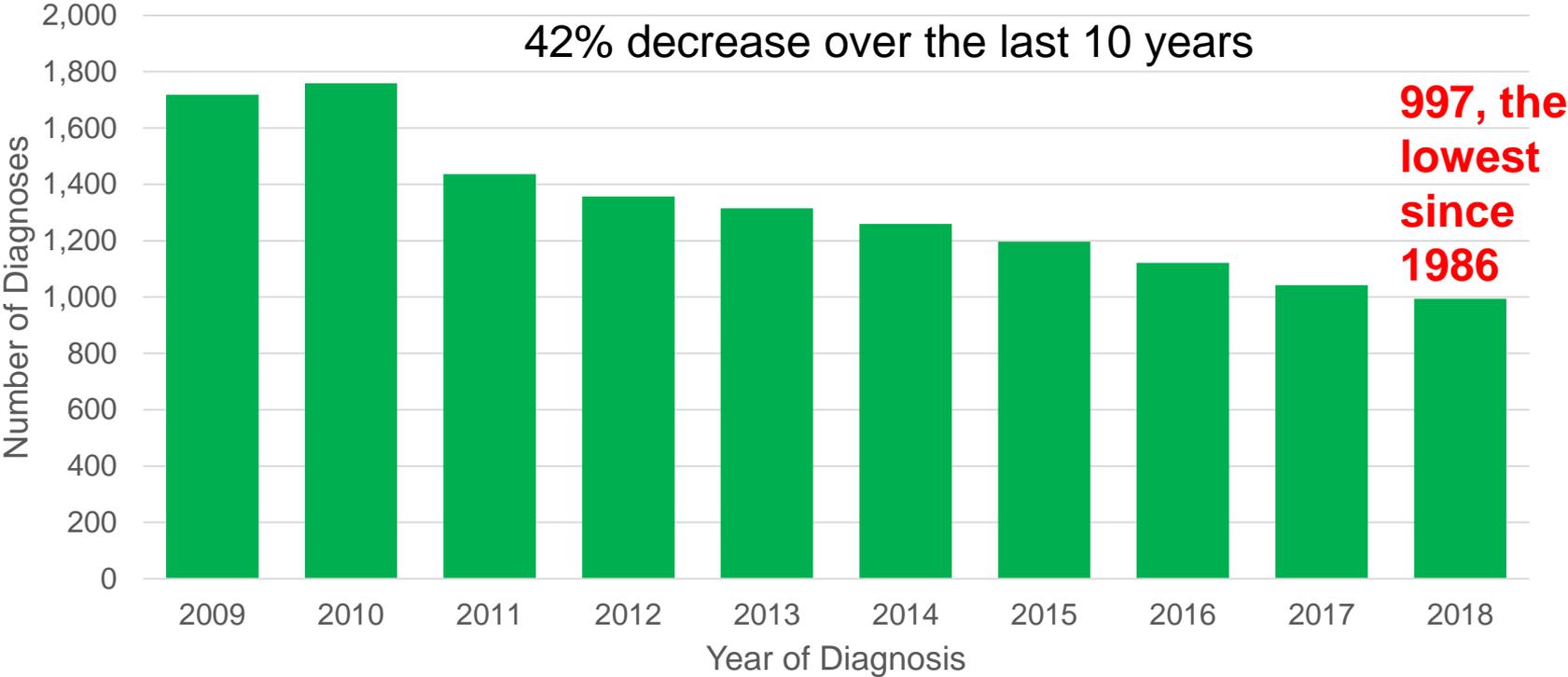
MISSION

The mission of the Prevention and Health Promotion Administration is to protect, promote and improve the health and well-being of all Marylanders and their families through provision of public health leadership and through community-based public health efforts in partnership with local health departments, providers, community based organizations, and public and private sector agencies, giving special attention to at-risk and vulnerable populations.

VISION

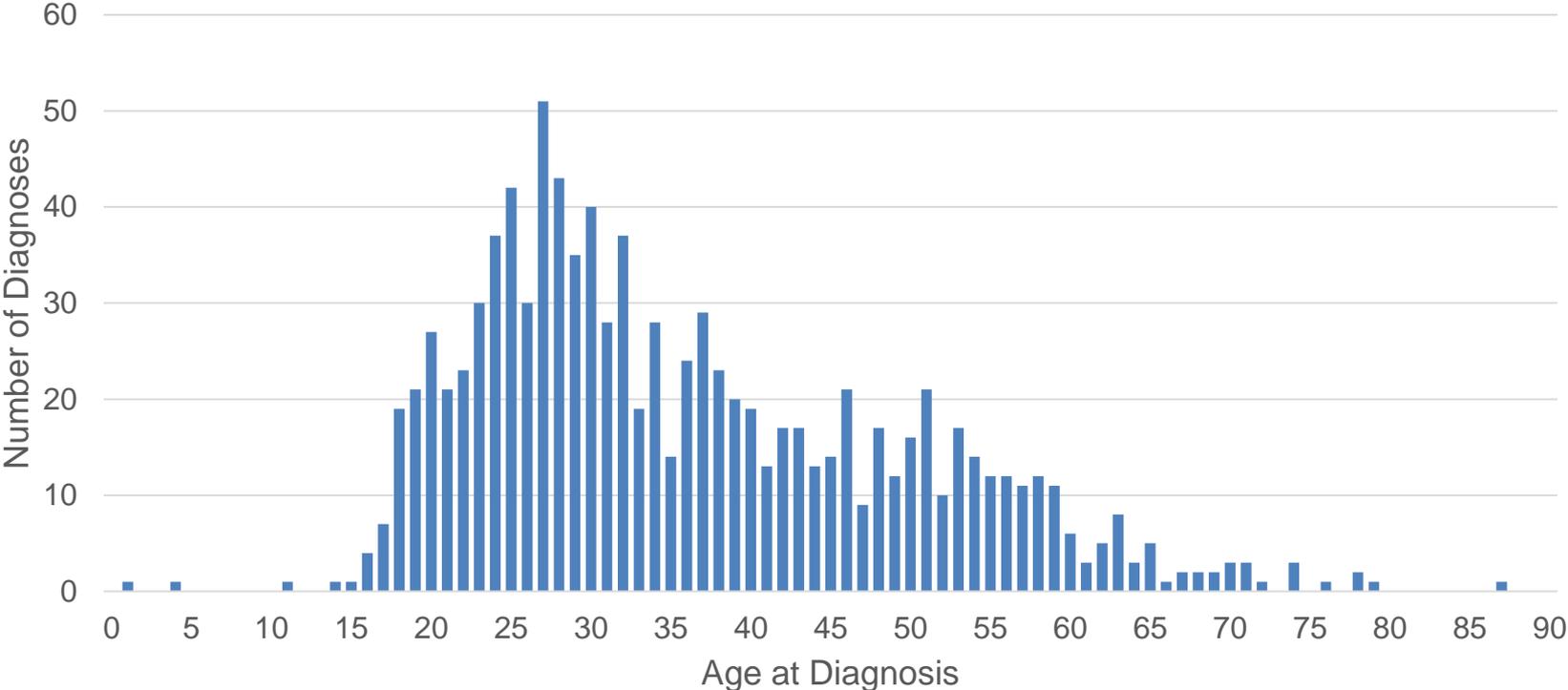
The Prevention and Health Promotion Administration envisions a future in which all Marylanders and their families enjoy optimal health and well-being.

HIV Diagnoses by Year of Diagnosis



3 Using data as reported through 6/30/2019

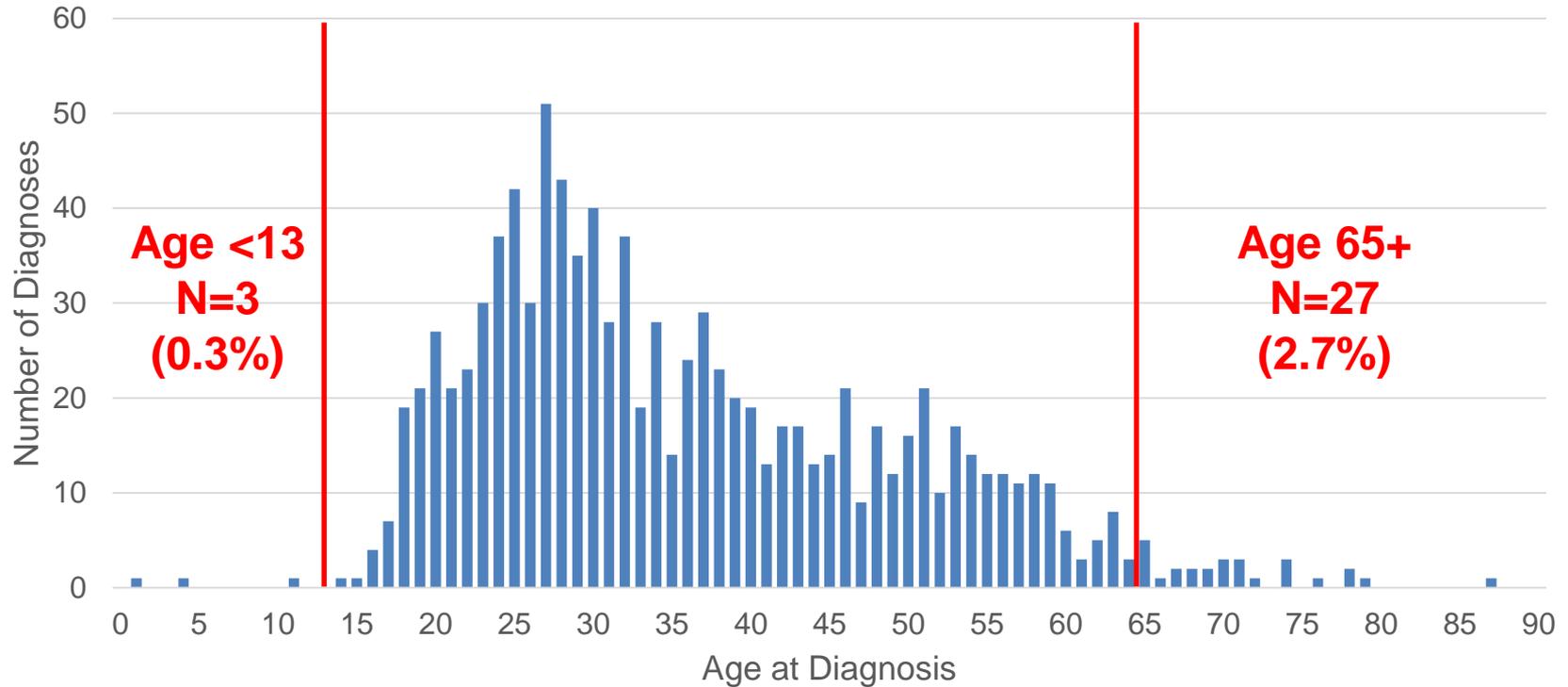
2018 HIV Diagnoses by Age at Diagnosis



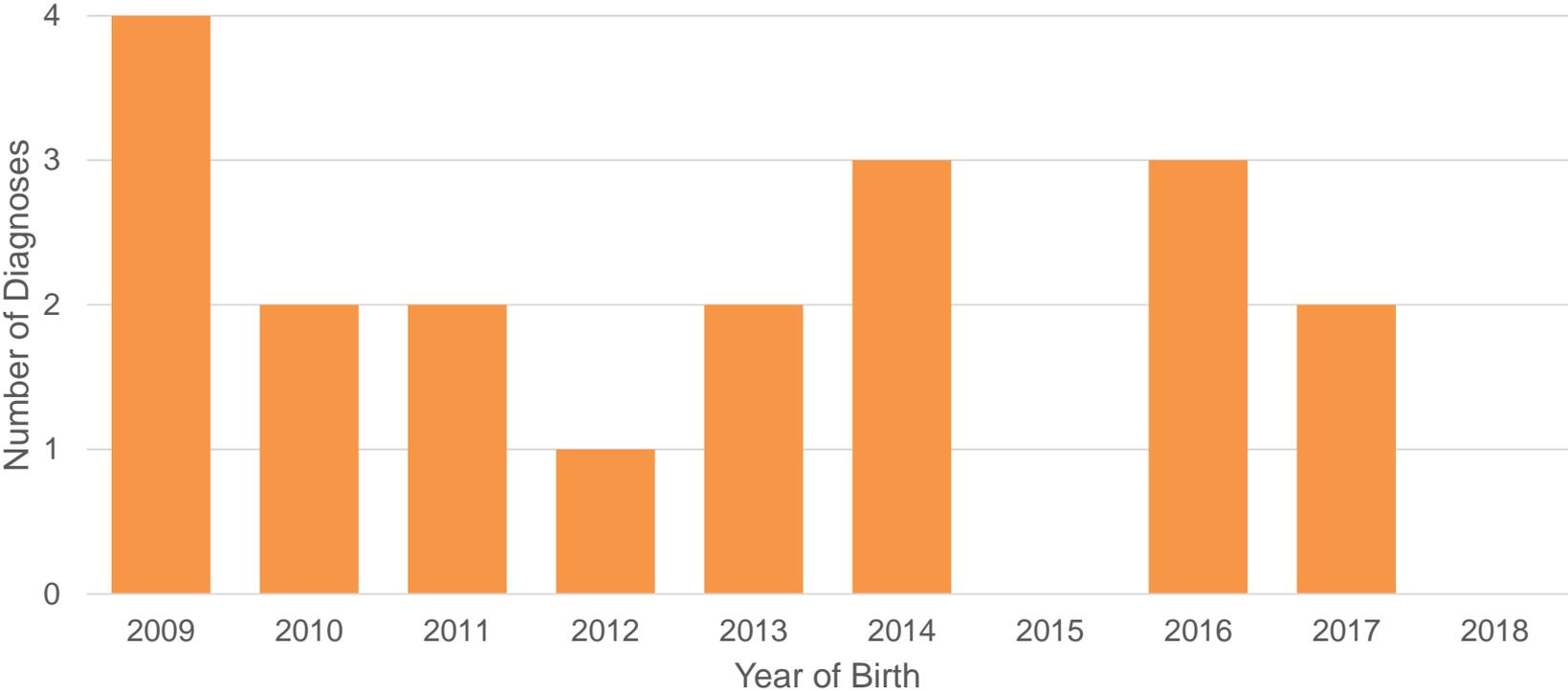
4 Using data as reported through 6/30/2019



2018 HIV Diagnoses by Age at Diagnosis



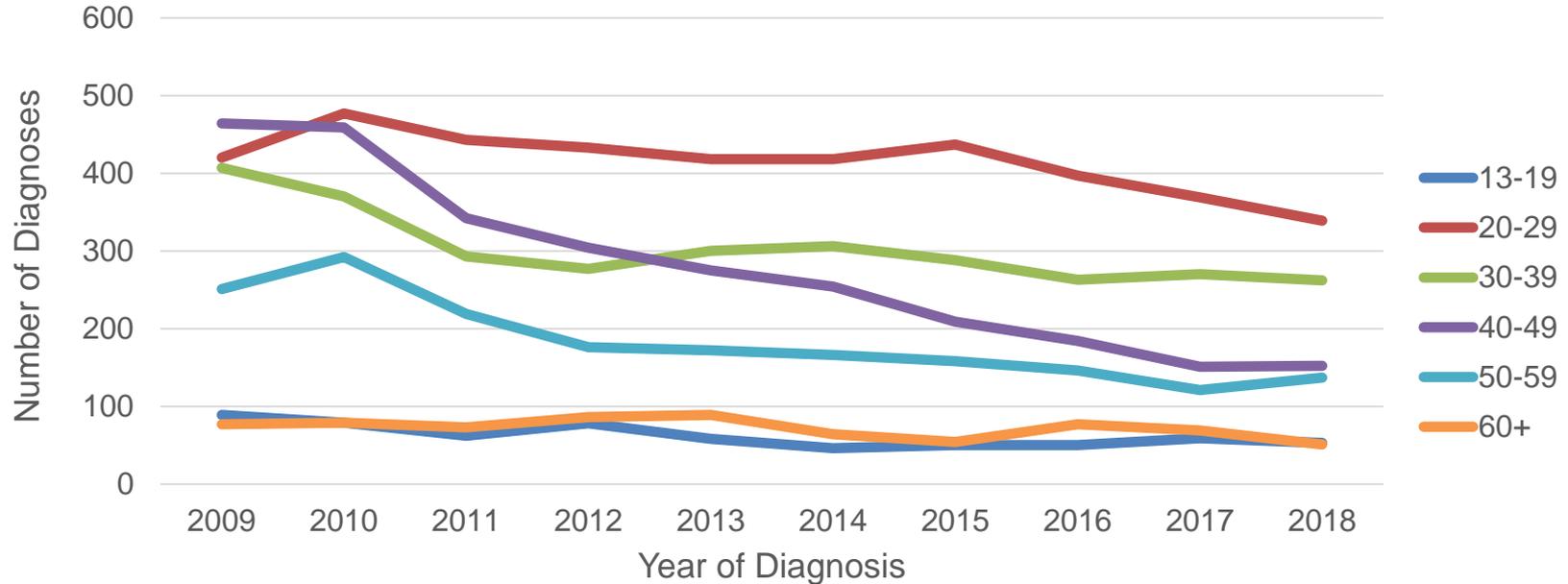
Pediatric HIV Diagnoses by Year of Birth



6 Using data as reported through 6/30/2019

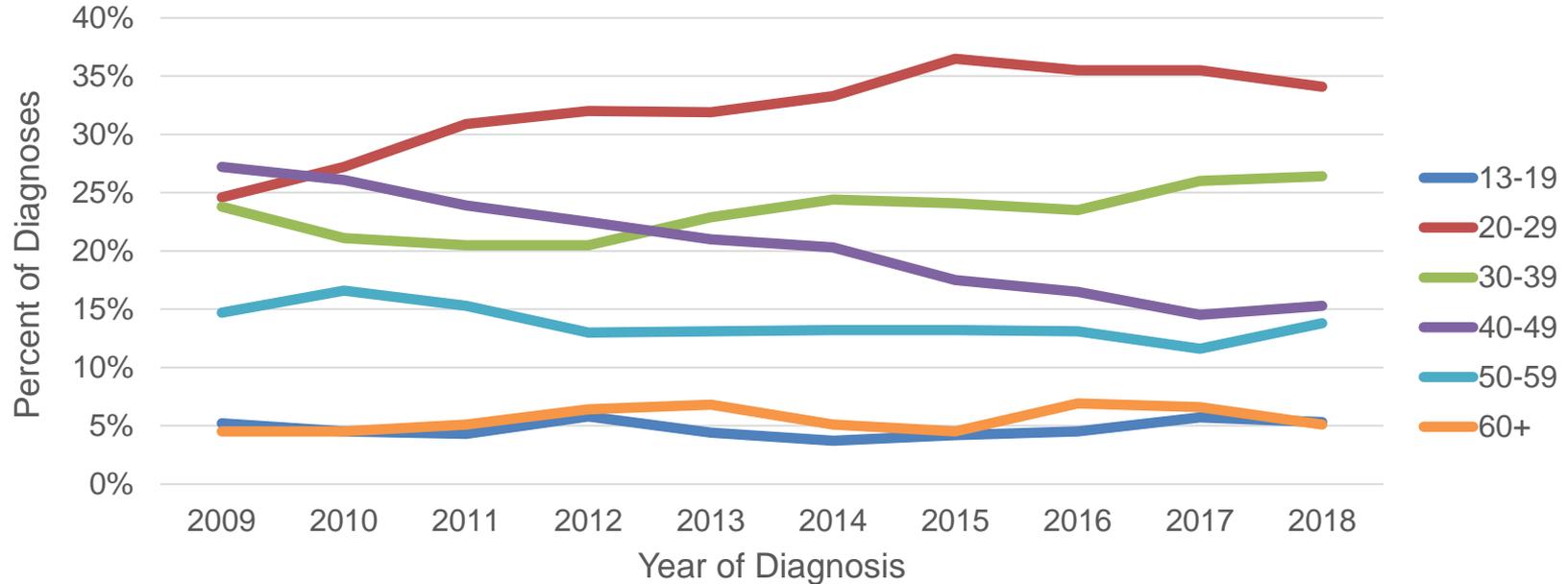
HIV Diagnosis Age Trends

Number of HIV Diagnoses by Age at Diagnosis and Year of Diagnosis, Maryland 2009-2018



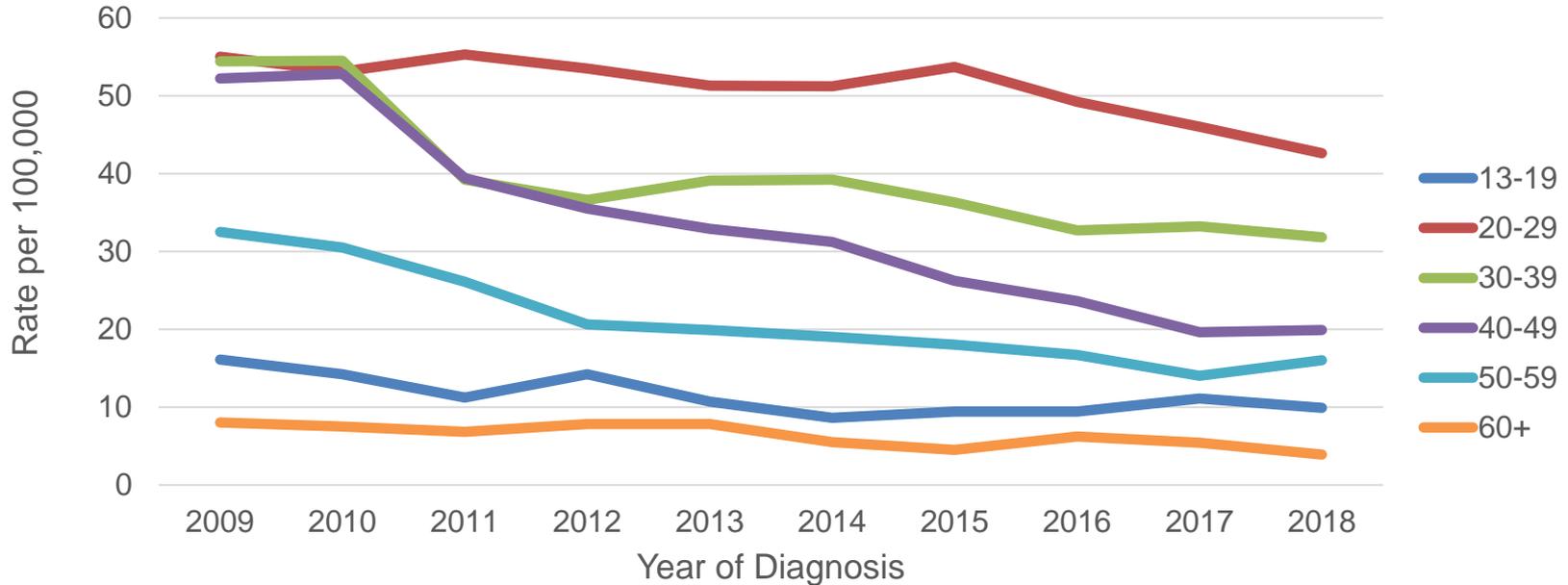
HIV Diagnosis Age Trends

Percent of HIV Diagnoses by Age at Diagnosis and Year of Diagnosis, Maryland 2009-2018



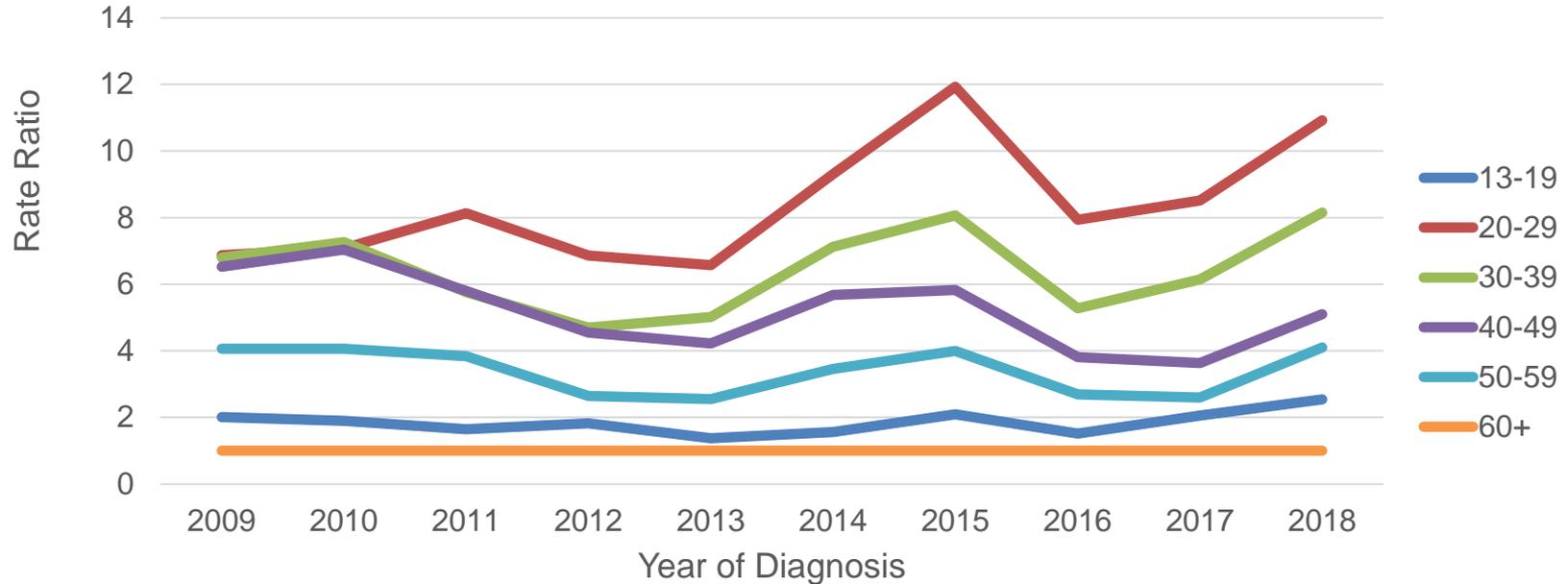
HIV Diagnosis Age Trends

Rate of HIV Diagnoses per 100,000 Population by Age at Diagnosis and Year of Diagnosis, Maryland 2009-2018



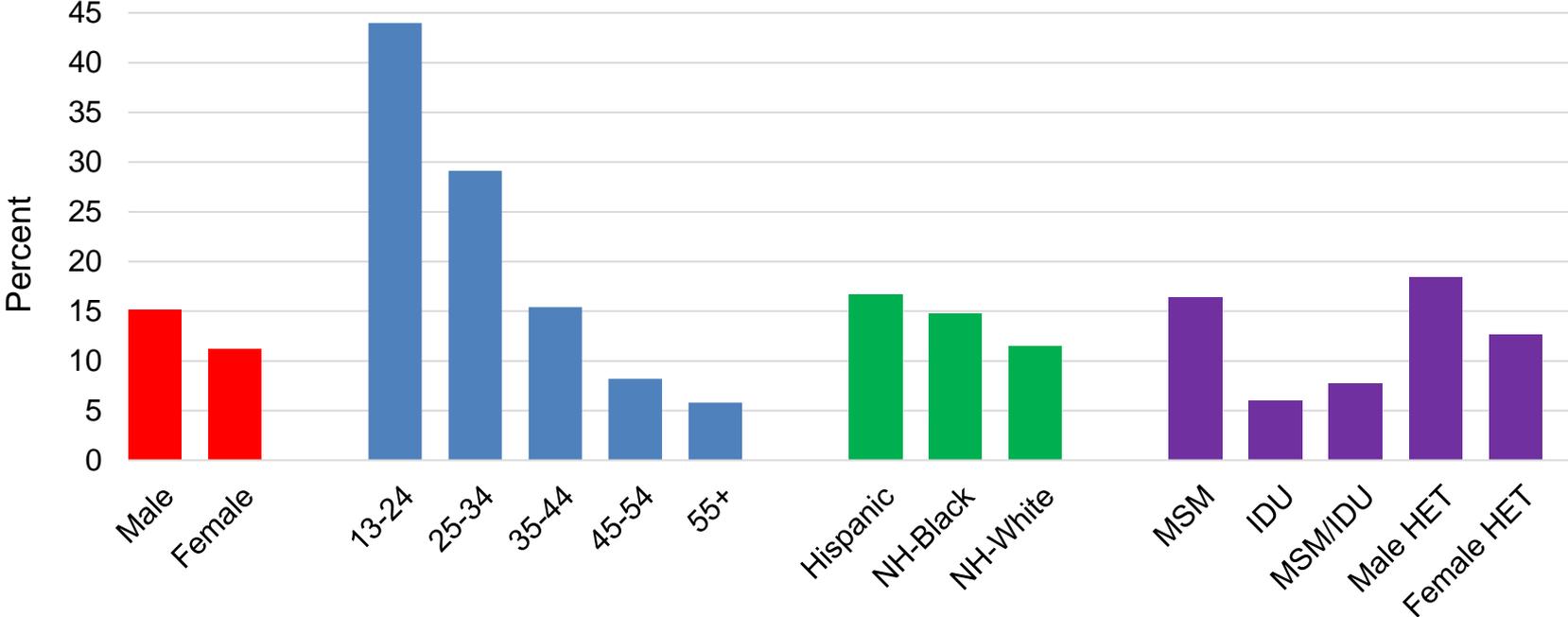
HIV Diagnosis Age Trends

Rate Ratio of HIV Diagnoses by Age at Diagnosis and Year of Diagnosis, Maryland 2009-2018



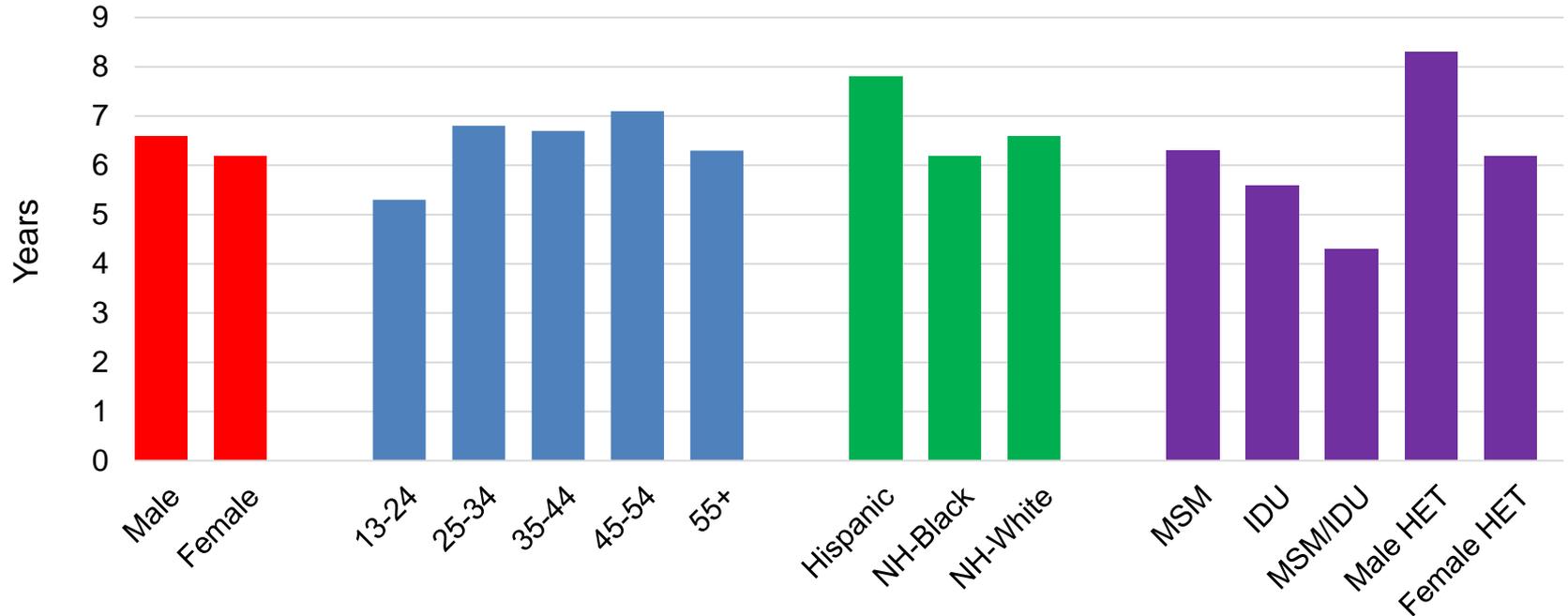
Estimated Percent Undiagnosed

Estimated Percent HIV Undiagnosed, United States, 2016
Total = 14.2%

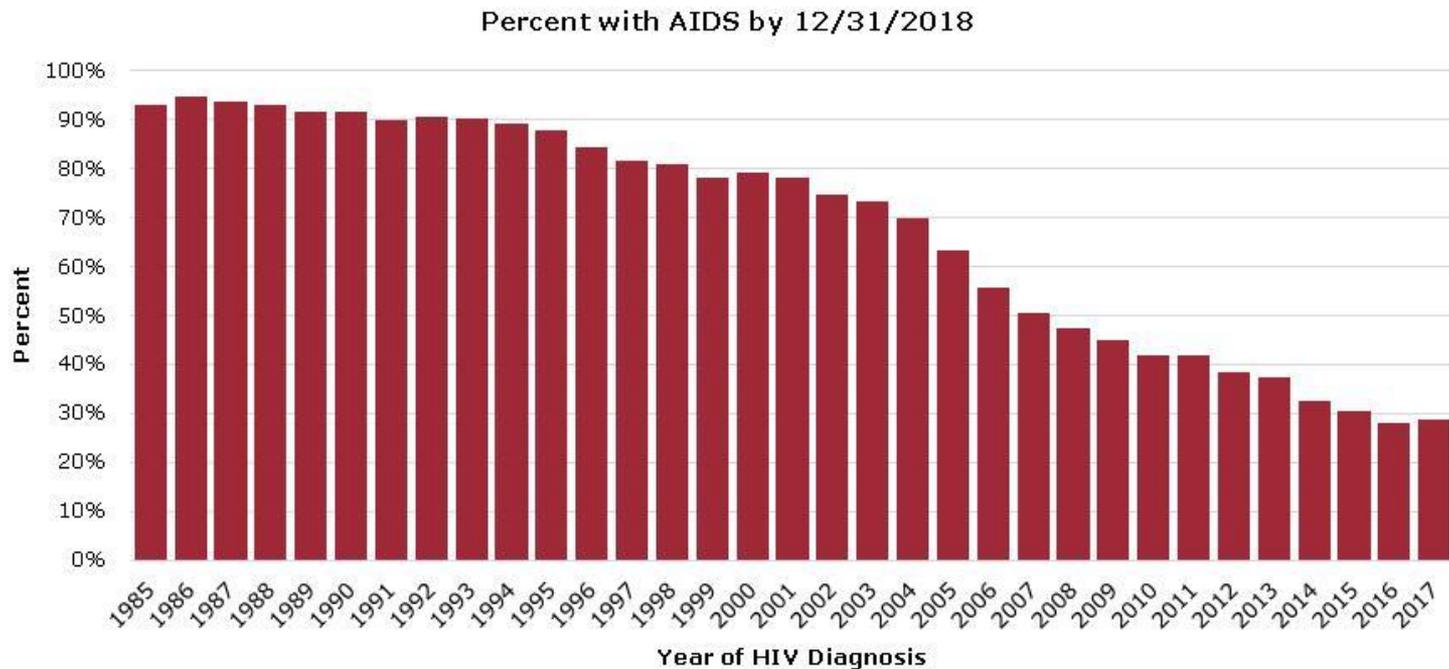


Estimated Time to Diagnosis

Estimated Time from HIV Infection to Diagnosis, Maryland, 2016
Total = 6.7 years



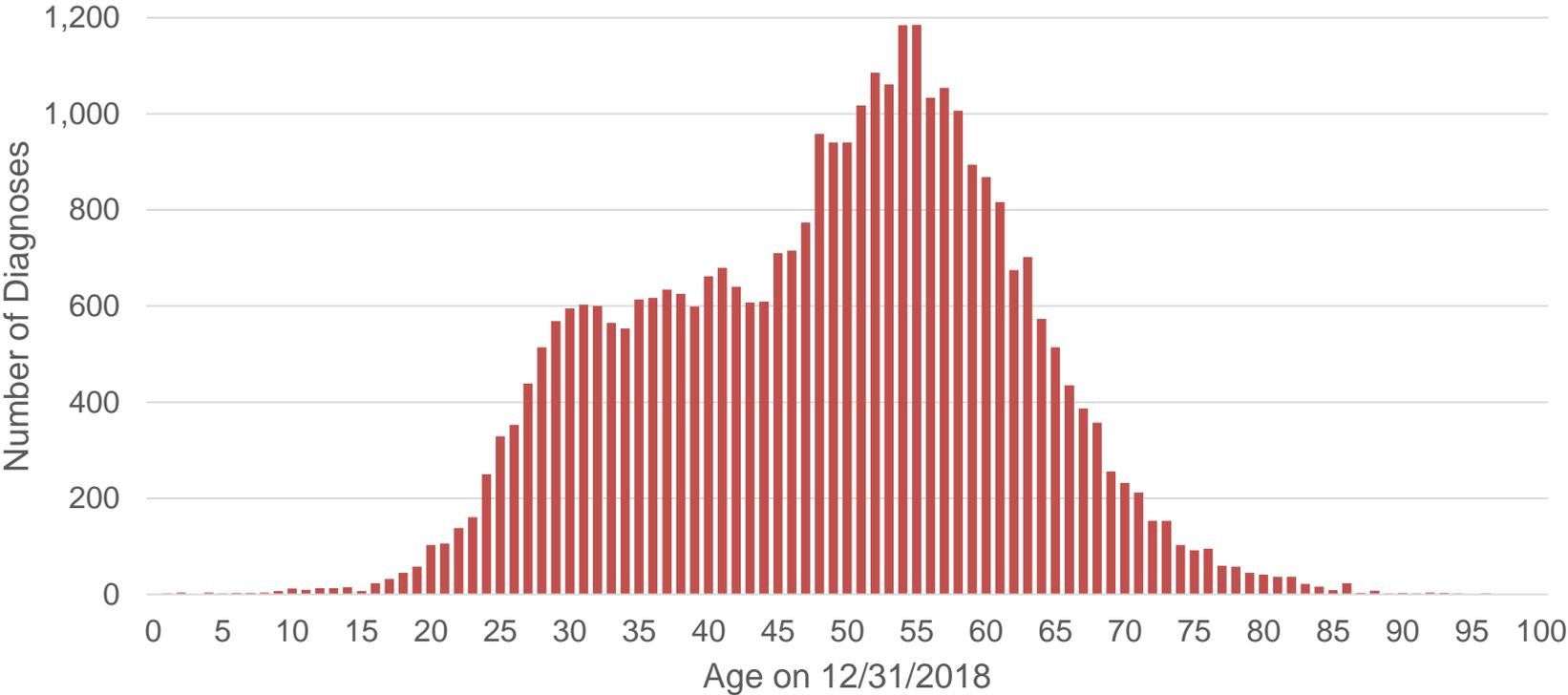
Percent of HIV Diagnoses with an AIDS Diagnosis



Survival Time after AIDS Diagnosis

Year of AIDS Diagnosis	Percent Alive After			
	1 Year	2 Years	5 Years	10 Years
1997	85.4	78.3	63.7	48.6
2002	88.8	83.8	71.8	59.8
2007	89.4	86.4	79.6	69.3
2012	91.5	89.7	83.9	
2017	94.3			

People Living with HIV by Age on 12/31/18

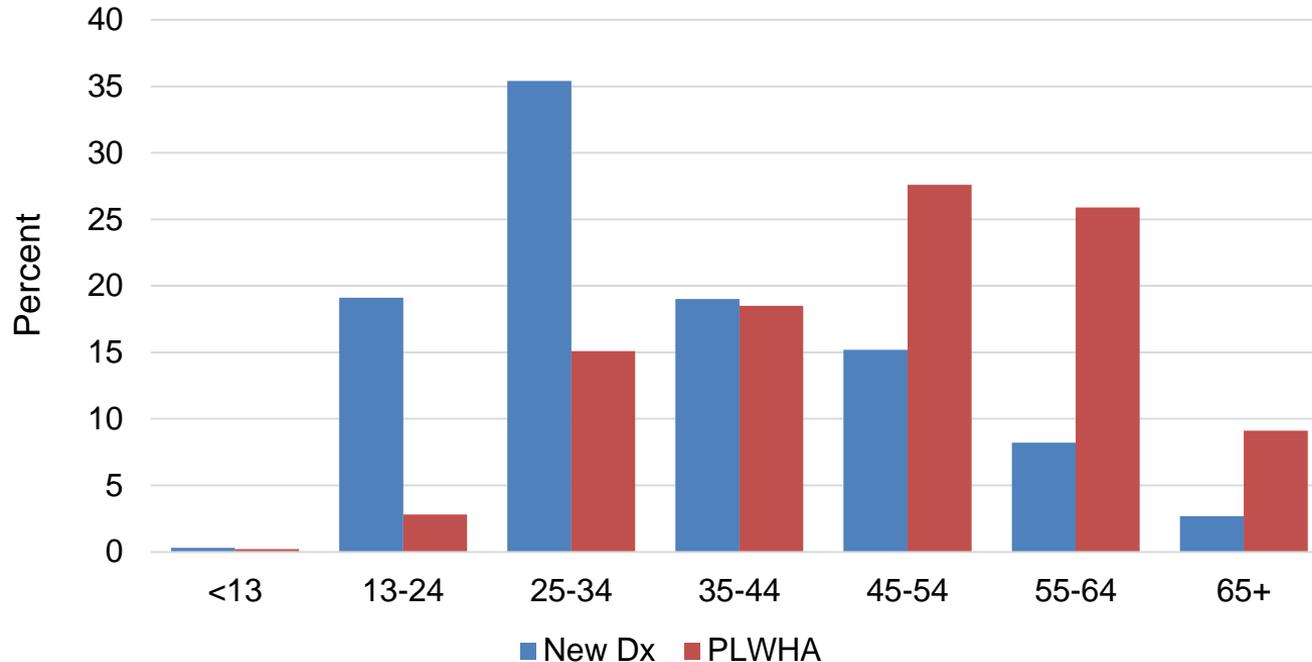


15 Using data as reported through 6/30/2019



HIV Incidence and Prevalence by Age Group

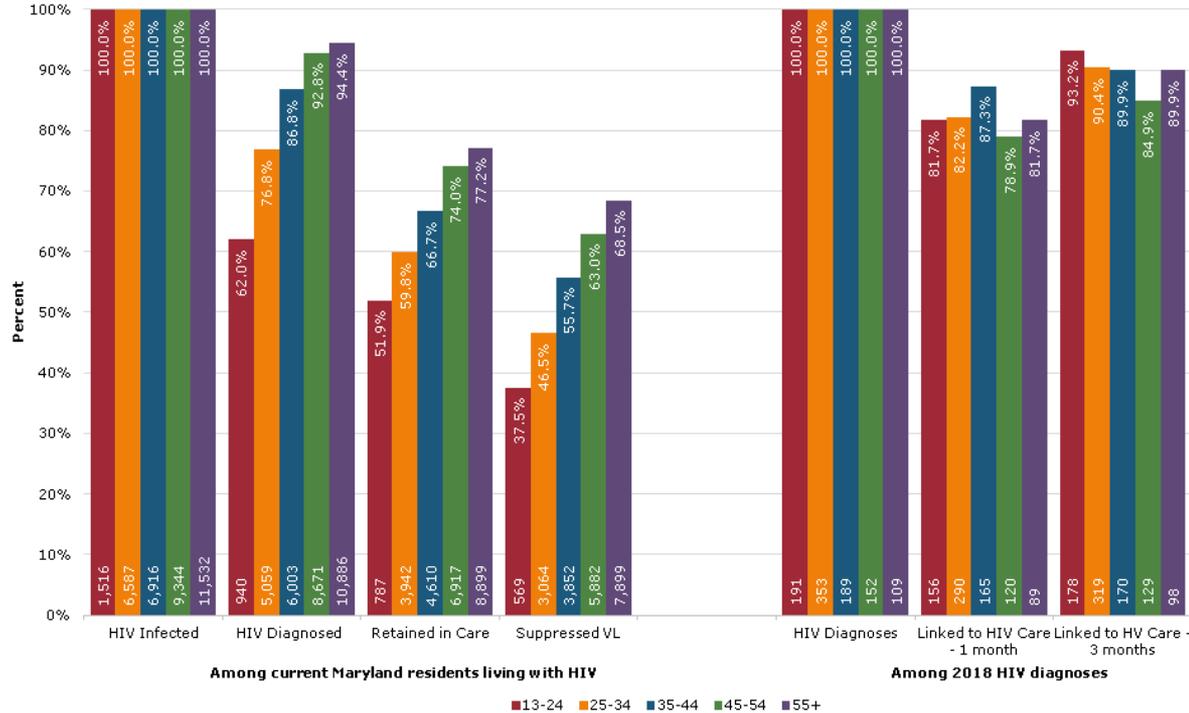
Age at Diagnosis of New 2018 HIV Diagnoses versus Age on 12/31/2018 of Persons Living with Diagnosed HIV or AIDS



PLWH are aging with HIV, while the new HIV diagnoses are getting younger

Continuum of Care by Age Group Maryland, 2018

Prevalence-Based Estimated HIV Continuum of Care Among People Aged 13+
by Age on December 31, 2018



Age 55+ has the highest rates of HIV diagnosis, retention in care, and viral suppression, while linkage to care is average.

Summary

- HIV infections, diagnoses, and rates are going down across all ages
- HIV diagnoses are most common in young adults (20-34)
- Transmissions in children (<13) are approaching zero
- Transmissions in older persons (65+) are rare
- Knowledge of HIV status increases with increasing age
- People with HIV are living longer, healthier lives (↓ AIDS ↓ deaths)
- The highest numbers and rates of people living with HIV are age 45-64
- Linkage to care is similar across age groups
- Measures of access and use of care increase with increasing age
- Persons 55+ have the highest rates of being diagnosed, in care, and virally suppressed



**Maryland Department of Health
Prevention and Health Promotion Administration**

<https://phpa.health.maryland.gov>